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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

1

of

4

**Complete If Known**

Application Number	09/751,877
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<b>Filing Date</b>	December 28, 2000
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First Named Inventor	Frances YEN, et al.
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Group Art Unit	1623
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Examiner Name	Unassigned
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Attorney Docket Number | G-089US03REG

## U.S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

[illegible]

**Examiner  
Signature**

Date \_\_\_\_\_

**Considered**

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 2 of 4

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First Named Inventor Frances YEN, et al.  
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Examiner Name Unassigned  
Attorney Docket Number G-089US03REG

### OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	H	Shalkh, T.H., et al (1999) EMBL database XP002162303; ac: AC007707; Homo sapiens chromosome 11 clone 442e11 from RPC111 Library map 11q23, complete sequence (Abstract)	
	I	Lohse, P., et al., "GENETIC POLYMORPHISM OF HUMAN PLASMA APOLOPOPROTEIN A-IV IS DUE TO NUCLEOTIDE SUBSTITUTIONS IN THE APOLOPOPROTEIN A-IV GENE", J Biol Chem 1990 Jun 15;265(17):10061-4	
	J	Lohse, P., et al., "THREE GENETIC VARIANTS OF HUMAN PLASMA APOLOPOPROTEIN A-IV", J Biol Chem 266: 13513-13518 (1991)	
	K	Norman, R.A., et al., "EMPIRICALLY DETERMINED POWER CALCULATIONS FOR SINGLE LOCUS ALLELIC ASSOCIATION STUDIES", (2000) Am. J. Hum. Gen. 67(4):320 (Abstract)	
	L	Osada, J. et al (1998) EMBL database XP002162305. ac: AC048409; Apolipoprotein A-IV Precursor (APO-AIV) (Abstract)	
	M	Tenkanen, H., et al., "A NOVEL POLYMORPHISM OF APOLOPOPROTEIN A-IV IS THE RESULT OF AN ASPARAGINE TO SERINE SUBSTITUTION AT RESIDUE 127", Biochim Biophys Acta 1138: 27-33 (1992)	
	N	JACOBS, K.A., et al.; "A Genetic Selection for Isolating cDNAs Encoding Secreted Proteins", Gene, NL, Elsevier Biomedical Press, Amsterdam, Vol. 188, 1 October 1997, pgs. 289-296; ISSN: 0378-1119	
	O	JACOBS, K.A., et al.; "A Novel Method for Isolating Eukaryotic cDNA Clones Encoding Secreted Proteins", Journal of Cellular Biochemistry; Supplement; 10 March 1995; pg. 19; XP002027246	
	P	SHIROZU, M. et al.; "Characterization of Novel Secreted and Membrane Proteins Isolated by the Signal Sequence Trap Method"; Genomics; U.S. Academic Press, San Diego; Vol. 37, No. 3, 1 November 1996, pgs. 273-280; XP002054773; ISSN: 0888-7543	
	Q	VAN DER VLIET, H.N., et al.; "Identification of the Human Analog of rat RAP3" (unpublished); "Direct Submission"; Experimental Hepatology, Academic Medical Center, Meibergdreef 9, Amsterdam 1105 AZ, Netherlands; 9 November 1999; Locus: AF202889	
	R	VAN DER VLIET, H.N., et al.; "Identification of the human analog rat RAP3" (unpublished) "Direct Submission"; Experimental Hepatology, Academic Medical Center, Meibergdreef 9, Amsterdam 1105 AZ, Netherlands; 9 November 1999; Locus: AF202890	

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Substitute for form 1449B/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	09/751,877
		Filing Date	December 28, 2000
		First Named Inventor	Frances YEN, et al.
		Group Art Unit	1623
		Examiner Name	unassigned
		Attorney Docket Number	G-08911503REG
Sheet	3	of	4

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS		
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	S	VAN DER VLIET, H.N., et al.; "Apolipoprotein A-V: a novel apolipoprotein associated with an early phase of liver regeneration"; JBC Papers in Press, Publ. September 27, 2001 as Manuscript M106888200; The American Society for Biochemistry and Molecular Biology, Inc.
	T	PENNACCHIO, L.A., et al.; "An Apolipoprotein Influencing Triglycerides in Humans and Mice Revealed by Comparative Sequencing"; SCIENCE, Vol. 294, 5 October 2001, pp. 169-173
	U	HATTORI, et al., Database GENBANK, Accession No. AP001480, May 2000.
	V	MARA, et al., Database GENBANK, Accession No., AI528320, March 1999.
	W	WATERS, et al., Database GENBANK, Accession No. AF086808, October 1998.
	X	NCBI Single Nucleotide Polymorphism, "A database of single nucleotide polymorphisms", www.ncbi.nlm.nih.gov/SNP/, March 1, 2001.
	Y	LEE, et al., "Irresistible force meets immovable object SNP mapping of complex diseases", Trends. in Genetics,
		http://news.bmn.com/hmsbeagle/118/notes/feature12, January 18, 2002.

Examiner Signature	Date Considered
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	<b>APPLICANT</b> Frances YEN, et al.	
	<b>FILING DATE</b> December 28, 2000	<b>GROUP</b> 1623

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)

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FOREIGN PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
		WO 98/34881	07/11/96	PCT				
		EP 625 572	11/23/94	JP				

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)
	Adams, et al., NATURE, "Initial Assessment of Human Gene Diversity and Expression Patterns Based Upon 83 Million Nucleotides of cDNA Sequence", Vol. 377 Supp., pp. 1-174, September 28, 1995
	Cernind, et al., GENOMICS, "High-Efficiency Full-Length cDNA Cloning by Biotinylated CAP Trapper", pp. 327-336 (1996)
	Hillier, et al., GENOME RESEARCH, "Generation and Analysis of 280,000 Human Expressed Sequence Tags", pp. 807-828 (1996)
	Kato, et al., GENE, "Construction of a Human Full-Length cDNA Bank", pp. 243-250 (1994)
	Nomura, et al., DNA RESEARCH, "Prediction of the Coding Sequences of Unidentified Human Genes. I. The Coding Sequences of 40 New Genes (KIAA0001-KIAA0040) Deduced by Analysis of Randomly Sampled cDNA Clones from Human Immature Myeloid Cell Line KG-1", Vol. 1, pp. 27-35 (1994)
	Gunnar von Heijne, NUCLEIC ACIDS RESEARCH, "A New Method for Predicting Signal Sequence Cleavage Sites", Vol. 14, Number 11 (1986)

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